

Title (en)  
Silicoaluminophosphate molecular sieve

Title (de)  
Silicoaluminophosphat-Molekularsieb

Title (fr)  
Tamis moléculaire de silicoaluminophosphate

Publication  
**EP 1886973 B1 20181121 (EN)**

Application  
**EP 07018898 A 20020204**

Priority  
• US 27206101 P 20010301  
• US 92401601 A 20010807  
• EP 02714836 A 20020204  
• US 0203334 W 20020204

Abstract (en)  
[origin: WO02070407A1] The present invention relates to a silicoaluminophosphate molecular sieve comprising at least one intergrown phase of molecular sieves having AEI and CHA framework types, wherein said intergrown phase has an AEI/CHA ratio of from about 5/95 to 40/60 as determined by DIFFaX analysis, using the powder X-ray diffraction pattern of a calcined sample of said silicoaluminophosphate molecular sieve. It also relates to methods for its preparation and to its use in the catalytic conversion of methanol to olefins.

IPC 8 full level  
**B01J 29/83** (2006.01); **C01B 37/08** (2006.01); **B01J 29/00** (2006.01); **B01J 29/85** (2006.01); **B01J 37/00** (2006.01); **B01J 37/04** (2006.01); **B01J 37/08** (2006.01); **C01B 39/54** (2006.01); **C07B 61/00** (2006.01); **C07C 1/20** (2006.01); **C07C 1/207** (2006.01); **C07C 1/213** (2006.01); **C10G 3/00** (2006.01)

CPC (source: EP KR US)  
**B01J 29/005** (2013.01 - EP US); **B01J 29/85** (2013.01 - EP US); **B01J 37/0009** (2013.01 - EP US); **C01B 37/08** (2013.01 - EP KR US); **C01B 39/54** (2013.01 - EP US); **C07C 1/20** (2013.01 - EP US); **C10G 3/49** (2013.01 - EP US); **C10G 2400/20** (2013.01 - EP US); **Y02P 30/20** (2015.11 - EP US); **Y02P 30/40** (2015.11 - EP US)

C-Set (source: EP US)  
1. **C07C 1/20 + C07C 11/02**  
2. **C07C 1/20 + C07C 11/02**

Citation (examination)  
WO 9815496 A1 19980416 - NORSK HYDRO AS [NO], et al

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**WO 02070407 A1 20020912**; AR 032707 A1 20031119; AT E377575 T1 20071115; AU 2002247078 B2 20061116; BR 0207788 A 20040323; CA 2438146 A1 20020912; CA 2438146 C 20100323; CN 1227159 C 20051116; CN 1525940 A 20040901; DE 60223344 D1 20071220; DE 60223344 T2 20080828; EA 006851 B1 20060428; EA 200300870 A1 20041230; EP 1365992 A1 20031203; EP 1365992 B1 20071107; EP 1886973 A2 20080213; EP 1886973 A3 20080611; EP 1886973 B1 20181121; ES 2295327 T3 20080416; JP 2004524252 A 20040812; JP 2008230966 A 20081002; JP 4299002 B2 20090722; JP 5162342 B2 20130313; KR 100868844 B1 20081114; KR 20040012726 A 20040211; MX PA03007807 A 20040316; MY 138795 A 20090731; NO 20033845 D0 20030829; NO 20033845 L 20031017; TW 583140 B 20040411; US 2002165089 A1 20021107; US 6812372 B2 20041102; ZA 200306195 B 20050223

DOCDB simple family (application)  
**US 0203334 W 20020204**; AR P020100536 A 20020215; AT 02714836 T 20020204; AU 2002247078 A 20020204; BR 0207788 A 20020204; CA 2438146 A 20020204; CN 02805772 A 20020204; DE 60223344 T 20020204; EA 200300870 A 20020204; EP 02714836 A 20020204; EP 07018898 A 20020204; ES 02714836 T 20020204; JP 2002569738 A 20020204; JP 2008153289 A 20080611; KR 20037011415 A 20030829; MX PA03007807 A 20020204; MY PI20020635 A 20020225; NO 20033845 A 20030829; TW 91102248 A 20020207; US 92401601 A 20010807; ZA 200306195 A 20030811